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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/955,066	09/19/2001	Alexei Krouglov	663-167/MBE	8469

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EXAMINER	
DUNN, MISHAWN N	

ART UNIT	PAPER NUMBER
2616	

DATE MAILED: 02/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/955,066	KROUGLOV ET AL.	
	Examiner	Art Unit	
	Mishawn N. Dunn	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 September 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *19 September 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Faryar et al. (US Pat. No. 5,787,223).

3. Consider claim 1. Faryar et al. teaches a method of recording a digital signal onto a medium in an analog format, comprising the steps of: digitally modulating the digital signal with at least one carrier to generate a digitally modulated digital signal (col. 3, line 66 – col. 4, line 1; col. 4, lines 31-33; fig. 1); inserting the digitally modulated digital signal into an active part of scan lines of a digital composite video signal (col. 3, lines 43-48); converting the digital composite video signal to an analog composite video signal (col. 4, lines 54-57); and storing the analog composite video signal on a storage medium (col. 4, lines 54-57).

4. Consider claim 2. Faryar et al. teaches the method of claim 1 wherein the storage medium is a video tape recorder (col. 4, lines 54-57; fig. 1).

5. Consider claim 3. Faryar et al. teaches the method of claim 2 including, before step (a), the step of encoding the digital signal (col. 4, lines 14-16; fig. 1).

6. Consider claim 4. Faryar et al. teaches the method of claim 2 wherein the digital signal is modulated in step (a) using phase-shift keying, quadrature amplitude

modulation, orthogonal frequency division multiplexing or wavelet frequency division multiplexing (col. 4, lines 40-43).

7. Consider claim 5. Faryar et al. teaches the method of claim 2 further comprising a method of reproducing the digital signal, comprising the steps of: e. reading the analog composite video signal from the medium; f. converting the analog composite video signal to a digital composite video signal; g. extracting the digitally modulated digital signal from the active part of scan lines of the digital composite video signal; and h. demodulating the digitally modulated digital signal to provide the digital signal (col. 5, lines 8-19; fig. 2).

8. Consider claim 6. Faryar et al. teaches the method of claim 5 further comprising the step of using a colour burst portion of the digital composite video signal as a pilot signal to recover a sampling clock of the digital signal (col. 5, lines 29-31, 34; fig. 8).

9. Consider claim 7. Faryar et al. teaches the method of claim 6 including, after step (h), the step of decoding the digital signal (col. 5, lines 54-59; fig. 2).

10. Consider claim 8. Faryar et al. teaches the method of claim 7 wherein the digital signal is demodulated in step (h) using phase-shift keying, quadrature amplitude modulation, orthogonal frequency division multiplexing or wavelet frequency division multiplexing (col. 5, lines 51-54).

11. Consider claim 9. Faryar et al. teaches all the limitations as stated above in addition to a method of reproducing a digital signal stored in an analog format on a medium (col.4, lines 60-63).

12. Method, device and processing claims 10-20 are rejected for the same reasons as discussed in the corresponding method claims above.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. US Pat. No. 5,555,097

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mishawn N. Dunn whose telephone number is 571-272-7635. The examiner can normally be reached on Monday - Friday 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mishawn Dunn
January 27, 2006

ROBERT CHEVALIER
PRIMARY EXAMINER